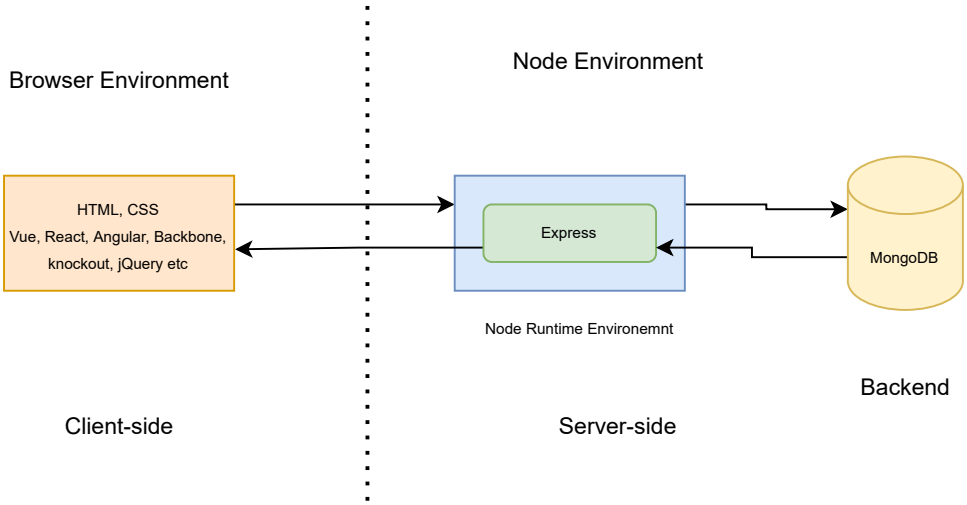
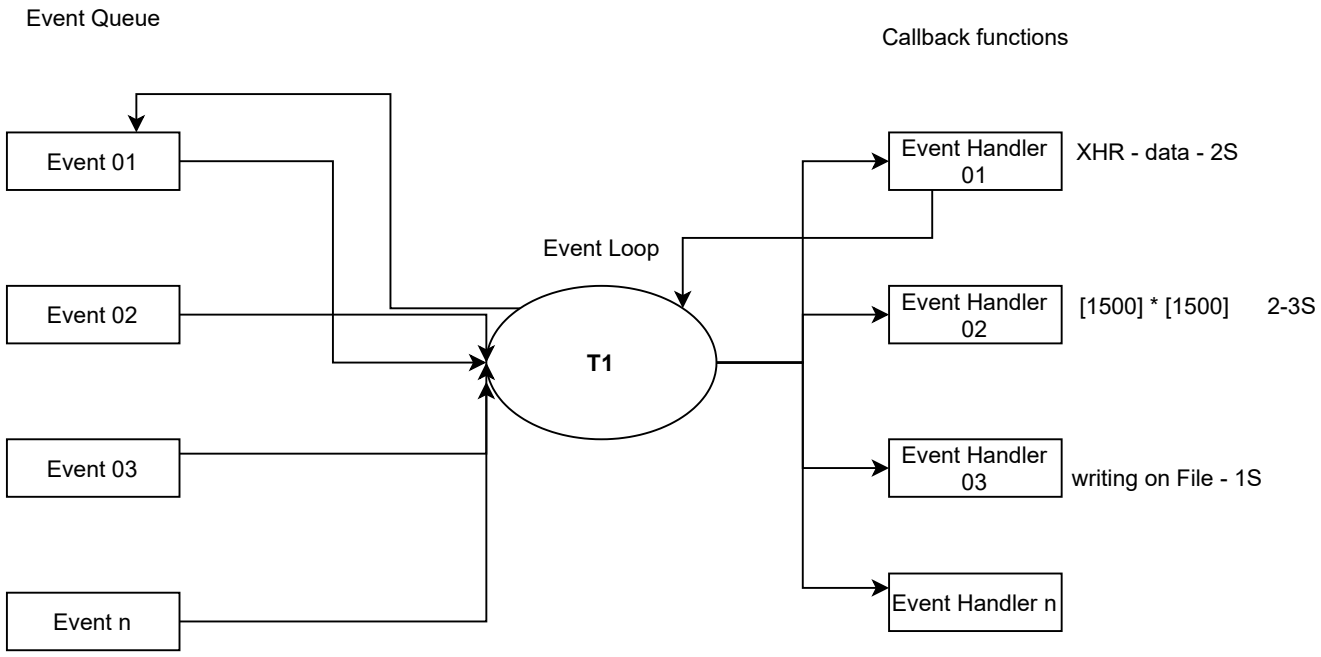
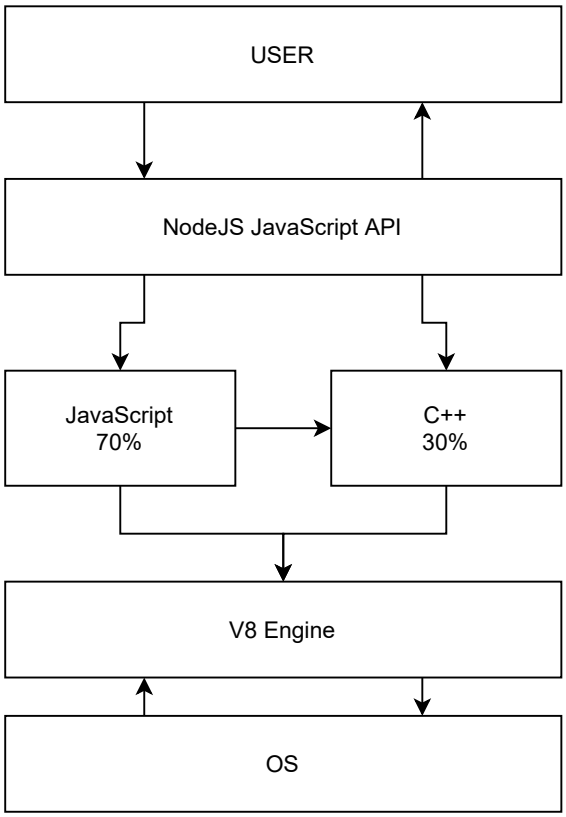
Full Stack Architecture (MERN/MEAN)

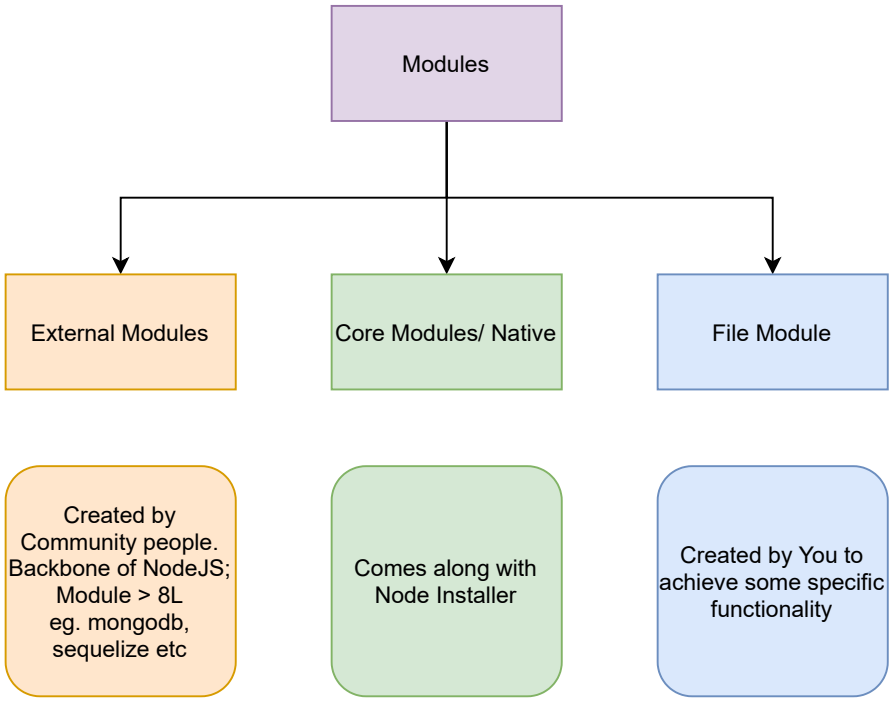



Event Queue
Callback functions
libuv
C++ Th
Event 01
Event 02
Event 03
Event n
Event Loop
T1
Event Handler 01
XHR - data - 2S
Event Handler 02
[1500] * [1500]
2-3S
Event Handler 03
writing on File - 1S
Event Handler n

Library

read Pool

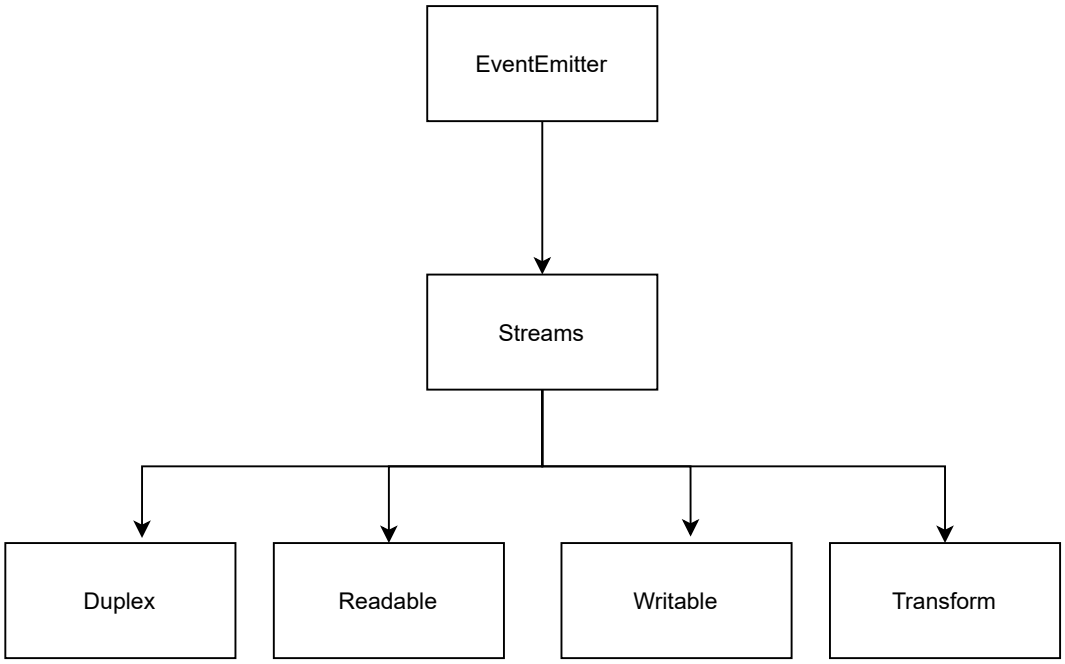

USER
NodeJS JavaScript API
JavaScript
70%
C++
30%
V8 Engine
OS



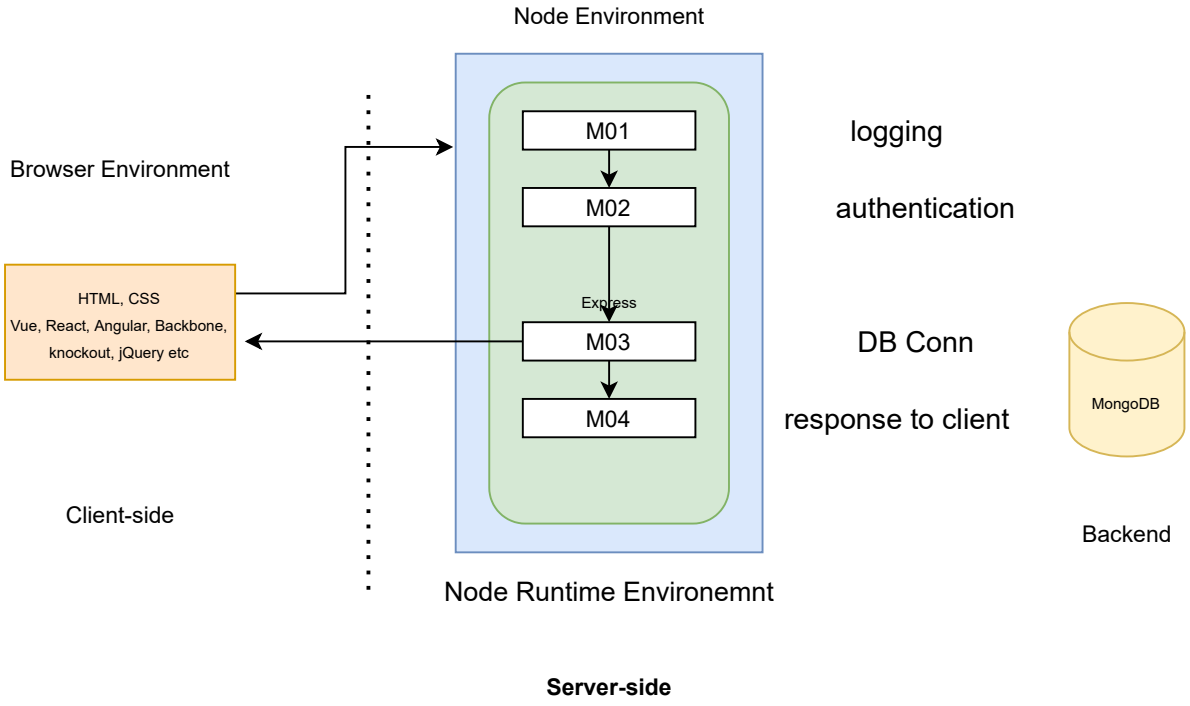
Node Installer

- Node Runtime Environment
- Node Native Modules
- Node Package Manager (NPM)

Also sets the environment PATH Variable

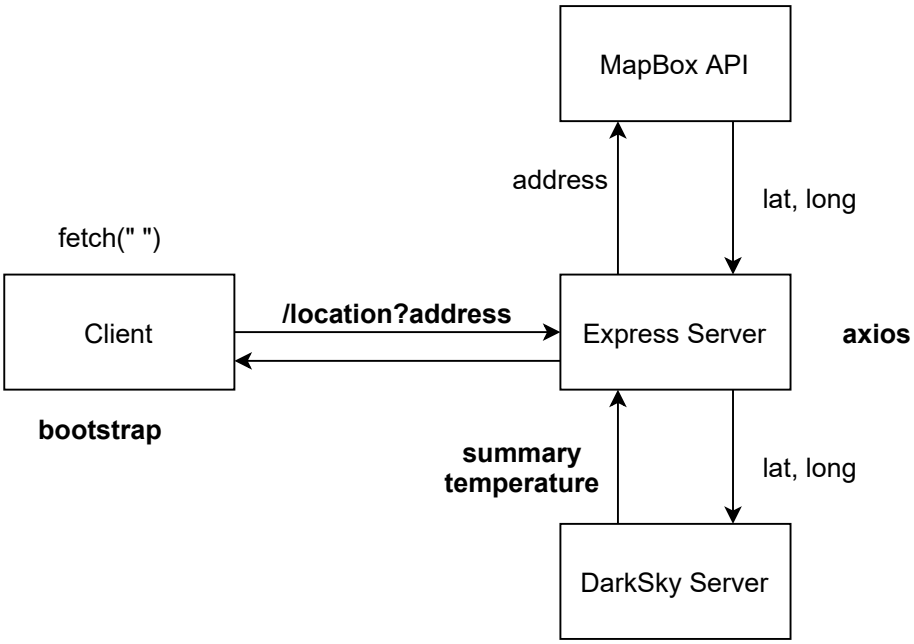

EventEmitter
Streams
Duplex
Readable
Writable
Transform

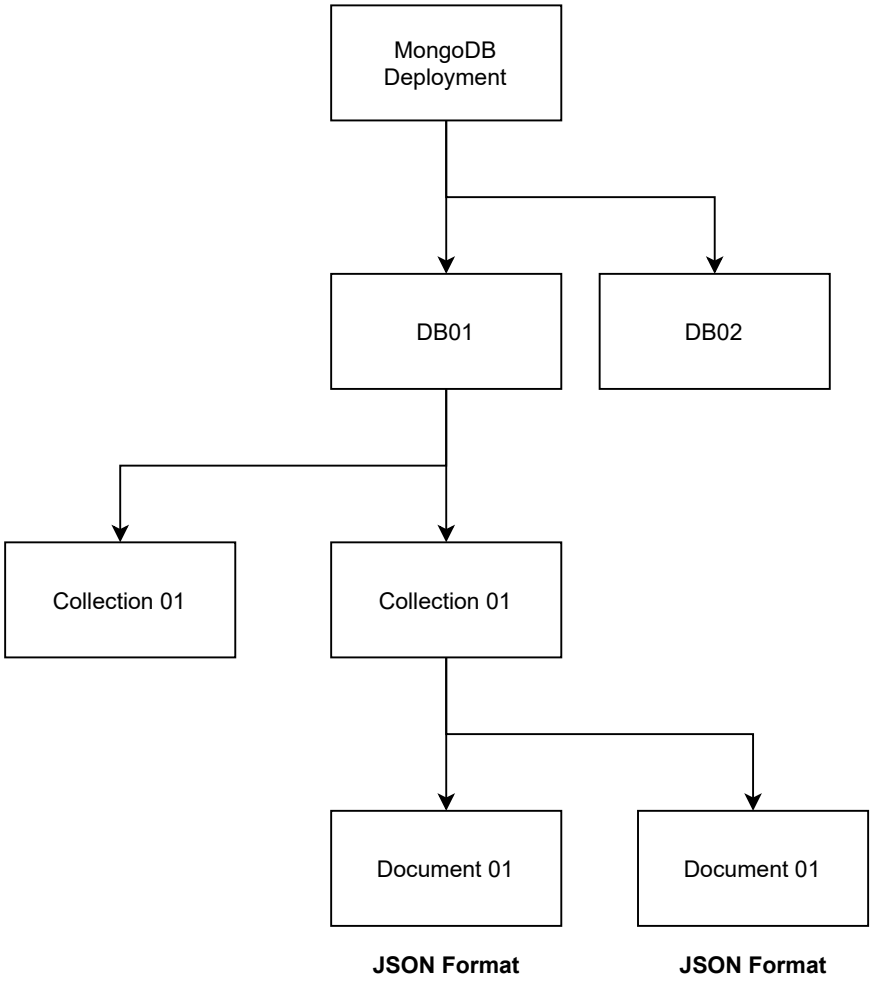
Full Stack Architecture (MERN/MEAN)



Middlewares are functions

- request - incoming request
- response - outgoing response stream
- next - function ; to supply the control to the next middleware


MapBox API
address
lat, long
fetch(" ")
Client
/location?address
Express Server
axios
bootstrap
summary
temperature
lat, long
DarkSky Server


MongoDB
Deployment
DB01
DB02
Collection 01
Collection 01
Document 01
Document 01
JSON Format
JSON Format